



KIRBY INLAND MARINE, LP  
 MAINTENANCE DEPARTMENT  
 18350 MARKET ST.  
 CHANNELVIEW, TX 77530

OFFICE (713) 435-1730

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**VAPOR TIGHTNESS TEST**

Note: Test Results are Valid for (1) One Year from Date of Test!

Vessel Name: CTCO 342 Test Date: 6/21/19  
 Testing Location: Adams Slip Maximum Load Rate: (BPH) 6500  
 Tanks Tested: All Pressure Indicator: cert gauge

**TEST RESULTS**

Test Duration: 30 Minutes Beginning Pressure: 28 Inches H2O  
 Ending Pressure: 27.5 Inches H2O  
 Total Pressure Loss: 0.5 Inches H2O  
 Allowable Pressure Loss: 3.07 Inches H2O

**Barge is Vapor Tight if "Total Pressure Loss" is LESS than "Allowable Pressure Loss"**  
 This vessel has been tested in accordance with Section 61.304F and has been found to be vapor tight.

David Warthen  
 Tester: (Print)

DWarthen  
 Tester: (Signature)

Taylor Bratsch  
 Witness: (Print)

[Signature]  
 Witness: (Signature)

Kirby MTR  
 Affiliation of Witness:

- (P1) - Beginning Pressure
- (Delta P) - Total Pressure Loss
- (TP) - 14.7 plus Barge Test Pressure in PSI
- (V) - Volume of Tank (s)
- .861 - PIA @ (P1)
- (P2) - Ending Pressure
- (Delta PM) - Allowable Pressure Loss
- (L) - Maximum Load Rate in BPH
- (Delta T) = Test Duration

$$.861 \times \frac{15.7}{(TP)} \times \left( \frac{6500}{(L)} \right) \left( \frac{28577}{(V)} \right) = \frac{3.07}{(Delta PM)}$$



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VAPOR TIGHTNESS TEST

Note: Test Results are Valid for (1) One Year from Date of Test!

Vessel Name: CTC 00470  
 Testing Location: Harbour Ship  
 Tanks Tested: All  
 Pressure Indicator: cut gauge  
 Maximum Load Rate: (BPH) 6500  
 Test Date: 6/2/19

TEST RESULTS

Test Duration: 30 Minutes  
 Beginning Pressure: 2.548 inches H2O  
 Ending Pressure: 2.72 inches H2O  
 Total Pressure Loss: 0.172 inches H2O  
 Allowable Pressure Loss: 0.17 inches H2O

Barge is Vapor Tight if "Total Pressure Loss" is LESS than "Allowable Pressure Loss".  
 This vessel has been tested in accordance with Section 81.304F and has been found to be vapor tight.

Tester: (Print) David White  
 Tester: (Signature) [Signature]  
 Witness: (Print) Taylor Braddock  
 Witness: (Signature) [Signature]  
 Affiliation of Witness: Kirby MTR

(P1) - Beginning Pressure  
 (P2) - Ending Pressure  
 (Delta P) - Total Pressure Loss  
 (L) - Barge Test Pressure in PSI - 14.7 plus  
 (V) - Volume of Tank (s)  
 (Delta T) = Test Duration  
 (PIA @ P1)  
 861 x (P1) x (L) x (V) = (Delta PM) (Delta PM)

WHITE COPY - VESSEL - YELLOW COPY - BARGE DOCUMENT CONTROL COORDINATOR - PINK COPY - BOOK COPY